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APPLICATION NO: 10/693,046
REPLY TO OFFICE ACTION OF 09/08/2006

REMARKS

(1) Response to objection of the specification:

The specification has been amended to correct informalities mentioned in page 2 of the Office Action and to correct some translation errors. Undersigned respectfully states that no new matter is added.

The abstract is amended to correspond to change in the specification.

(2) Response to claim objections:

Claims 1-5 have been canceled and no argument is made to the objections.

(3) Response to claim rejections under 35 USC § 112:

Claims 4 and 5 have been canceled and no argument is made to the rejection.

(4) Response to claim rejections under 35 USC § 103(a):

Claims 1 to 5 are rejected under 35 USC § 103(a) but claims 1 to 5 have been canceled so that no response is made to the rejections.

(5) Brief summary of the newly added claim 6:

The characteristics recited in the newly added claim 6 is in that a valve sheet 44 is sandwiched between the closed end of the cylinder 40 and the cover 50, the valve sheet 44 further comprises a U shaped first flapper 46 corresponding to the inlet 43 and the inlet passage 53 respectively and an inverted U shaped second flapper 45 corresponding to

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the outlet 42 and the outlet passage 52 respectively; a plate shaped first inclining stopper 41 is disposed in the cylinder 40 next to the inlet 43 and a plate shaped second inclining stopper 51 is disposed in the outlet passage 52 such that the first flapper 46 closes the inlet and the second flapper 45 closes the outlet passage before the miniature air compressor is in operation. Hence, once the piston rod 25 is actuated to perform an intake stroke, the first flapper 46 is forced to move toward the inlet 43 to open the inlet 43 against the first inclining stopper 41 for outside air entering the cylinder 40 via the inlet passage 53 and the inlet 43 and once the piston rod 25 is actuated to perform a discharge stroke, the second flapper 45 is forced to move toward the outlet passage 52 to open the outlet passage 52 against the second inclining stopper 51 for compressed air inside the cylinder 40 being discharged via the outlet 42 and the outlet passage 52.

(6) Comparison between Rozek'879 and the newly added claim 6:

The mounting for air compressor disclosed by Rozek is characterized in that a three-point mounting member 35 shown in Fig. 4 of the disclosure and the air compressor is arranged with a plurality of projecting sleeves 45, 46, 47, 48, 49, 50 to fit with two three-point mounting members 35 as shown in Figs. 1, 2 and 3. However, the three-point mounting member and the projecting sleeves are different from the characteristics recited in the newly added claim 6.

(7) Comparison between Jamieson and the newly added claim 6:

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It can be seen in Figs. 1, 2 and 4 in company with column 1, line 42 to column 2, line 18 of the disclosure of Jamieson the valve assembly 10 by Jamieson provides a pair of identical plates 14 and 16 with an inlet port 18 disposed at the plate 14 and a discharge port 20 disposed at the plate 15. A valving element 30 is arranged to close the inlet port 18. Another valving element 30 is arranged to close the discharge port 20. An annular seal 34 is provided to space apart the two plates 14, 16. Further, each of the plates 14, 16 has a ramp surface 28 corresponding to the respective valving element 30. The valving element- keeper screws 26 with springs 38 are employed to retain an end of the respective valving element 30. The center bolt 40 is provided to secure the plates 14, 16 together. Although the valving elements 30, the ramp surface 28 look similar to the flappers 45, 46 and the inclining stoppers 41, 51 of the application, the characteristics of the newly claim 6 regarding arrangement of the closed end of the cylinder 40, the valve sheet 44 and the cover 50 shown in Figs. 2 and 3 of the application are different from the plates 14, 16 with a ramp surface 28 and the valving elements 30 of Jamieson. In addition, the Jamieson's valve assembly has a much more complicated structure than the valve sheet in association with the closed end of the cylinder and the cover of cylinder.

(8) Comparison between Rozek'025 and the characteristics recited in claim 6:

Although the conical rod piston disclosed by Rozek looks similar to the piston rod 25 of the application. However, it is obvious that Rozek did

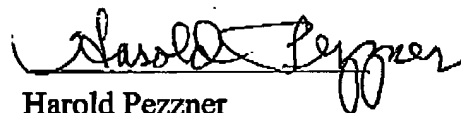
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not disclose the characteristics of the newly added claim 6.

(9) Conclusion:

In view of the above, the characteristics recited in the newly added claim 6 are not disclosed by either Rozek or Jamieson and it is requested that the newly added claim 6 be reconsidered and rejection based on 35 USC 103(a) be withdrawn. Such action is respectfully solicited.

Respectfully submitted,



Harold Pezzner

Reg. No. 22,112

Connolly, Bove, Lodge & Hutz

1007 North Orange Street

P.O. Box 2207

Wilmington, Delaware 19899

U.S.A.

TEL: (302) 658-9141

FAX: (302) 658-5614

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